

APPLIED MATHEMATICS AND COMPUTATION

VOLUME 22 1987

C. S. HIRTZEL AND K. Y. CHAN
Extreme Values of Exponentially Autocorrelated Sequences 1

DIMITRIOS DENDRINOS AND MICHAEL SONIS
The Onset of Turbulence in Discrete Relative Multiple
Spatial Dynamics 25

M. J. MIKETINAC, A. W. KELM AND D. S. JAYAS
Airflow Patterns for Various Approximations
to Velocity—Pressure Gradient Data 45

W. BREINL AND G. LEITMANN
State Feedback for Uncertain Dynamical Systems 65

MIKHAIL NAGUIB MIKHAIL
On the Validity and Stability of the Method of Lines for the
Solution of Partial Differential Equations 89

JOSEPH J. PIGNATIELLO, JR.
Enumerating Groups Within a Set of Eligible Elements 99

F. E. UDWADIA
Response of Uncertain Dynamic Systems. I. 115

F. E. UDWADIA
Response of Uncertain Dynamic Systems. II. 151

PAUL R. BEESACK
On Some Variation of Parameter Methods for
Integrodifferential, Integral, and Quasilinear Partial
Integrodifferential Equations 189

PATRICK T. HARKER
Derivatives of the Perron Root of a Positive Reciprocal Matrix:
With Application to the Analytic Hierarchy Process 217

| | |
|--|-----|
| WULF GAERTNER | |
| Periodic and Aperiodic Consumer Behavior | 233 |
| FERENC SZIDAROVSKY AND KAROLY SZENTELEKI | |
| A Multiobjective Optimization Model for Wine Production | 255 |
| D. TRIGIANTE AND S. SIVASUNDARAM | |
| A New Algorithm for Unstable Three Term Recurrence Relations | 277 |
| MOHAN K. KADALBAJOO AND K. SANTHANA RAMAN | |
| Discrete Invariant Imbedding for Singular Boundary Value Problems with a Regular Singularity | 291 |
| GILBERT H. HOFFMAN | |
| A Combination Conformal-Transfinite Mapping Method for Grids about Fin-Afterbody Combinations | 309 |
| KEITH MEINTJES AND ALEXANDER P. MORGAN | |
| A Methodology for Solving Chemical Equilibrium Systems | 333 |

